

2. Japanese Patent "Kokai" No. 06-297828

Claim 1: A laser marking method of marking a molded article made from a thermoplastic resin by irradiating laser radiation onto the surface of the article, wherein the molded article is made from a thermoplastic resin containing an additive which tends to be subjected to discoloration or decolorization by absorbing laser radiation and being thereby heated and organic pigment or dye which is less susceptible to influence by laser radiation.

# LASER MARKING METHOD AND MOLDED PIECE MARKED BY LASER

Patent Number: JP6297828  
Publication date: 1994-10-25  
Inventor(s): TOMITA HISASHI; others: 01  
Applicant(s): POLYPLASTICS CO  
Requested Patent: ☐ JP6297828  
Application Number: JP19930092885 19930420  
Priority Number(s):  
IPC Classification: B41M5/00  
EC Classification:  
Equivalents:

Ref 2

## Abstract

**PURPOSE:** To provide a sharp mark of a desired color, such as characters and symbols, on a surface of a thermoplastic resin molded piece or a resin-coated molded piece using a laser light.  
**CONSTITUTION:** In a method for marking a surface of a molded piece molded out of a thermoplastic resin by emitting a laser light, the surface to be irradiated with a laser light to be marked is a surface of a molded piece molded out of a thermoplastic resin composition prepared by incorporating an additive absorbing a laser light and discoloring or decoloring under heat and also an organic pigment/dye hardly affected by a laser light.

Data supplied from the esp@conet database - 12